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Modified Form PTO-1449

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Atty. Docket No.

A-686A

Serial No.

09/855.158

Applicant

Theill, et al.

Filing Date

May 14, 2001

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## U.S. PATENT DOCUMENTS

EXAMINER'S INITIALS		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE IF APPROPRIATE
KAL	A1	4,289,872	09/15/81	Denkenwalter et al.			
	A2	4,816,567	03/28/89	Cabilly, et al.			
	A3	5,229,490	07/20/93	Tam			

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION	
							YES	NO
KAL	B1	EP 869 180	10/07/98	European	/			
	B2	EP 911 633	10/08/97	European	/			
	B3	EP 919 620	11/26/97	European	/			
	B4	WO 93/21259	10/28/93	PCT	/			
	B5	WO 96/32478	10/17/96	PCT	/			
	B6	WO 97/34631	09/25/97	PCT	/			
	B7	WO 98/18921	05/07/98	PCT	/			
	B8	WO 98/27114	06/25/98	PCT	/			
	B9	WO 98/39361	09/11/98	PCT	?			
	B10	WO 98/55620	12/10/98	PCT	/			
	B11	WO 98/55621	12/10/98	PCT	/			
	B12	WO 99/00518	06/26/97	PCT	/			
	B13	WO 99/11791	03/11/99	PCT	/			
	B14	WO 99/12964	03/18/99	PCT	/			
	B15	WO 99/12965	09/12/97	PCT	/			

EXAMINER: *Karm A. Ganselle* Date Considered: *11/10/03*

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## FOREIGN PATENT DOCUMENTS

KAC	B16	WO 99/28462	12/03/97	PCT				
	B17	WO 99/33980	12/30/97	PCT				
	B18	WO 99/35170	01/05/98	PCT				
✓	B19	WO 00/24782	05/04/00	PCT				

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

KAC	C1	Adams et al. (1985), "The c-myc oncogene driven by immunoglobulin enhancers induces lymphoid malignancy in transgenic mice," <i>Nature</i> , 318:533-538.
	C2	Alexander et al. (1987), "Expression of the c-myc Oncogene under Control of an Immunoglobulin Enhancer in Eμ-myc Transgenic Mice," <i>Mol. Cell. Biol.</i> , 7(4):1436-1444
	C3	Banner et al. (1993), "Crystal Structure of the Soluble Human 55 kd TNF Receptor-Human TNFβ Complex: Implications for TNF Receptor Activation," <i>Cell</i> 73:431-445.
	C4	Benoist and Chambon (1981), "In vivo sequence requirements of the SV40 early promoter region," <i>Nature</i> , 290:304-310.
	C5	Boulianne et al. (1984), "Production of functional chimaeric mouse/human antibody," <i>Nature</i> , 312:643-646.
	C6	Bowie et al. (1991), "A Method to Identify Protein Sequences That Fold into a Known Three-Dimensional Structure," <i>Science</i> , 253:164-170.
	C7	Brenner et al. (1997), "Population statistics of protein structures: lessons from structural classifications," <i>Curr. Op. Struct. Biol.</i> , 7:369-376.
	C8	Brinster et al. (1982), "Regulation of metallothionein-thymidine kinase fusion plasmids injected into mouse eggs," <i>Nature</i> , 296:39-42.
	C9	Bruggermann et al. (1993), "Designer Mice: The Production of Human Antibody Repertoires in Transgenic Animals," <i>Year in Immunol.</i> , 7:33-40.
	C10	Cabilly, et al. (1984), "Generation of antibody activity from immunoglobulin polypeptide chains produced in <i>Escherichia coli</i> ," <i>Proc. Natl. Acad. Sci. USA</i> , 81:3273-3277.
	C11	Castro et al. (1996), "Fas Modulation of Apoptosis during Negative Selection of Thymocytes," <i>Immunity</i> , 5:617-627.
	C12	Chichepotiche et al. (1997), "TWEAK, a New Secreted Ligand in the Tumor Necrosis Factor Family that Weakly Induces Apoptosis," <i>J. Biol. Chem.</i> 272(51):32401-32410.
	C13	Chou et al. (1978), "Prediction of the Secondary Structure of Proteins from Their Amino Acid Sequence," <i>Adv. Enzymol. Relat. Areas Mol. Biol.</i> , 47:45-148 (1978).
	C14	Chou et al. (1978), "Empirical Predictions of Protein Conformation," <i>Ann. Rev. Biochem.</i> , 47:251-276.
	C15	Chou et al. (1974), "Prediction of Protein Conformation," <i>Biochemistry</i> , 13(2):222-245.

EXAMINER:

Karm A. Gamella

Date Considered:

1/10/03

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	A-686A	09/855.158
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	May 14, 2001	

**OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)**

<input checked="" type="checkbox"/>	C16	Chou et al. (1974), "Conformational Parameters for Amino Acids in Helical, $\beta$ -Sheet, and Random Coil Regions Calculated from Proteins," <i>Biochemistry</i> , 13(2):211-222.
<input checked="" type="checkbox"/>	C17	Chou et al. (1979), "Prediction of $\beta$ -turns," <i>Biophys. J.</i> , 26:367-384.
<input checked="" type="checkbox"/>	C18	De Boer et al., (1983), "The tac promoter: A functional hybrid derived from the trp and lac promoters," <i>Proc. Natl. Acad. Sci. USA</i> , 80:21-25.
<input checked="" type="checkbox"/>	C19	Gras et al. (1995), "BCMAP: an integral membrane protein in the Golgi apparatus of human mature B lymphocytes," <i>Intl. Immunol.</i> 7(7):1093-1106.
<input checked="" type="checkbox"/>	C20	Gribskov et al. (1990), "Profile Analysis," <i>Meth. Enzym.</i> , 183:146-159.
<input checked="" type="checkbox"/>	C21	Gribskov et al. (1987), "Profile analysis: Detection of distantly related proteins," <i>Proc. Natl. Acad. Sci.</i> , 84:4355-4358.
<input checked="" type="checkbox"/>	C22	Gross et al. (2000), "TACI and BCMA are receptors for a TNF homologue implicated in B-cell autoimmune disease," <i>Nature</i> 404:995-999.
<input checked="" type="checkbox"/>	C23	Grosschedl et al. (1984), "Introduction of a $\mu$ Immunoglobulin Gene into the Mouse Germ Line: Specific Expression in Lymphoid Cells and Synthesis of Functional Antibody," <i>Cell</i> , 38:647-658.
<input checked="" type="checkbox"/>	C24	Hahne et al. (1998), "APRIL, a New Ligand of the Tumor Necrosis Factor Family, Stimulates Tumor Cell Growth," <i>J. Exp. Med.</i> 188(6):1185-1190.
<input checked="" type="checkbox"/>	C25	Hammer et al. (1987), "Diversity of Alpha-Fetoprotein Gene Expression in Mice is Generated by a Combination of Separate Enhancer Elements," <i>Science</i> , 235:53-58.
<input checked="" type="checkbox"/>	C26	Holm et al. (1999), "Protein folds and families: sequence and structure alignments," <i>Nucl. Acid. Res.</i> , 27(1):244-247.
<input checked="" type="checkbox"/>	C27	Hoogenboom et al. (1992), "Human Antibodies from Synthetic Repertoires of Germline V <sub>H</sub> Gene Segments Rearranged in Vitro," <i>J. Mol. Biol.</i> , 227:381-388.
<input checked="" type="checkbox"/>	C28	Houghten (1985), "General method for the rapid solid-phase synthesis of large numbers of peptides: Specificity of antigen-antibody interaction at the level of individual amino acids," <i>Proc. Natl. Acad. Sci. USA</i> , 82:5131-5135.
<input checked="" type="checkbox"/>	C29	Hsu et al. (1999), "Tumor necrosis factor receptor family member RANK mediates osteoclast differentiation and activation induced by osteoprotegerin ligand," <i>Proc. Natl. Acad. Sci. USA</i> 96:3540-3545.
<input checked="" type="checkbox"/>	C30	Jakobovits et al. (1993), "Germ-line transmission and expression of a human-derived yeast artificial chromosome," <i>Nature</i> , 362:255-259.
<input checked="" type="checkbox"/>	C31	Jakobovits et al. (1993), "Analysis of homozygous mutant chimeric mice: Deletion of the immunoglobulin heavy-chain joining region blocks B-cell development and antibody production," <i>Proc. Natl. Acad. Sci.</i> , 90:2551-2555.
<input checked="" type="checkbox"/>	C32	Jones et al. (1986), "Replacing the complementarity-determining regions in a human antibody with those from a mouse," <i>Nature</i> , 321:522-525.
<input checked="" type="checkbox"/>	C33	Jones, D. (1997), "Progress in protein structure prediction," <i>Curr. Opin. Struct. Biol.</i> , 7(3):377-387.

EXAMINER:

*Karm A. Canella*

Date Considered:

*11/10/03*

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Group

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

KAC	C34	Kelly et al. (2000), "APRIL/TRDL-1, a Tumor Necrosis Factor-like Ligand, Stimulates Cell Death," <i>Cancer Res.</i> 60:1021-1027.
	C35	Kelsey et al. (1987), "Species- and tissue-specific expression of human $\alpha_1$ -antitrypsin in transgenic mice," <i>Genes and Devel.</i> , 1:161-171.
	C36	Kitts et al (1993), "A Method for Producing Recombinant Baculovirus Expression Vectors at High Frequency," <i>Biotechniques</i> , 14(5):810-817.
	C37	Kohler et al. (1975), "Continuous cultures of fused cells secreting antibody of predefined specificity," <i>Nature</i> , 256:495-497.
	C38	Kollias et al. (1986), "Regulated Expression of Human $\gamma$ -, $\beta$ -, and Hybrid $\gamma\beta$ -Globin Genes in Transgenic Mice: Manipulation of the Developmental Expression Patterns," <i>Cell</i> , 46:89-94.
	C39	Kozbor et al. (1984), "A Human Hybrid Myeloma for Production of Human Monoclonal Antibodies," <i>J. Immunol.</i> , 133(6):3001-3005.
	C40	Kranz et al. (1981), "Restricted reassociation of heavy and light chains from hapten-specific monoclonal antibodies," <i>Proc. Natl. Acad. Sci. USA</i> , 78(9):5807-5811.
	C41	Krumlauf et al. (1985), "Developmental Regulation of $\alpha$ -Fetoprotein Genes in Transgenic Mice," <i>Mol. Cell. Biol.</i> , 5(7):1639-1648.
	C42	Kyte et al. (1982), "A Simple Method for Displaying the Hydrophobic Character of a Protein," <i>J. Mol. Biol.</i> , 157:105-132.
	C43	Laabi et al. (1992), "A new gene, BCM, on chromosome 16 is fused to the interleukin 2 gene by a t(4; 16)(q26;p13) translocation in a malignant T cell lymphoma," <i>EMBO J.</i> 11(11):3897-3904.
	C44	Lacey et al. (1998), "Osteoprotegerin Ligand is a Cytokine that Regulates Osteoclast Differentiation and Activation," <i>Cell</i> 93:165-176.
	C45	Leder et al (1986), "Consequences of Widespread Dereglulation of the c-myc Gene in Transgenic Mice: Multiple Neoplasms and Normal Development," <i>Cell</i> , 45:485-495.
	C46	Lewis et al. (1995), "Use of a Novel Mutagenesis Strategy, Optimized Residue Substitution, to Decrease the Off-Rate of an Anti-gp120 Antibody," <i>Mol. Immunol.</i> 32(14/15):1065-1072.
	C47	Liu et al. (1987), "Chimeric mouse-human IgG1 antibody that can mediate lysis of cancer cells," <i>Proc. Natl. Acad. Sci. USA</i> , 84:3439-3443.
	C48	Lucklow (1993), "Baculovirus systems for the expression of human gene products," <i>Curr. Opin. Biotechnol.</i> , 4:564-572.
	C49	Lucklow et al. (1993), "Efficient Generation of Infectious Recombinant Baculoviruses by Site-Specific Transposon-Mediated Insertion of Foreign Genes into a Baculovirus Genome Propagated in <i>Escherichia coli</i> ," <i>J. Virol.</i> , 67(8):4566-4579.
	C50	MacDonald (1987), "Expression of the Pancreatic Elastase I Gene in Transgenic Mice," <i>Hepatology</i> , 7(1):42S-51S.

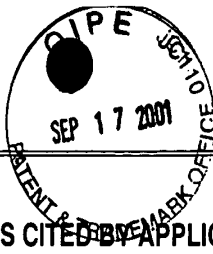
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Karen A. Gancella

Date Considered:

4/10/03

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	Filing Date May 14, 2001	Group

RECEIVED

SEP 18 2001

**OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)**

LAC	C51	MacLennan et al., (1998), "Structure-Function Relationships in the Ca <sup>2+</sup> - Binding and Translocation Domain of SERCA1: physiological correlates in Brody disease," <i>Acta Physiol. Scand. Suppl.</i> , 643:55-67.
1	C52	Madry et al. (1998), "The characterization of murine BCMA gene defines it as a new member of the tumor necrosis factor receptor superfamily," <i>Intl. Immunol.</i> 10(11):1693-1702.
	C53	Magram et al. (1985), "Developmental regulation of a cloned adult $\beta$ -globin gene in transgenic mice," <i>Nature</i> , 315:338-340.
	C54	Marks et al. (1992), "By-passing Immunization: Building High Affinity Human Antibodies by Chain Shuffling," <i>Biotechnology</i> , 10:779-783.
	C55	Marks et al. (1991), "Human Antibodies from V-gene Libraries Displayed on Phage," <i>J. Mol. Biol.</i> , 222:581-597.
	C56	Marston et al. (1990), "Solubilization of Protein Aggregates," <i>Meth. Enz.</i> , 182:264-276.
	C57	Mason et al. (1986), "The Hypogonadal Mouse: Reproductive Functions Restored by Gene Therapy," <i>Science</i> , 234:1372-1378.
	C58	Mauri et al. (1998), "LIGHT, a New Member of the TNF Superfamily, and Lymphotoxin • are Ligands for Herpesvirus Entry Mediator," <i>Immunity</i> , 8:21-30.
	C59	Merrifield et al. (1963), "Solid Phase Peptide Synthesis," <i>J. Am. Chem. Soc.</i> , 85:2149-2154.
	C60	Morrison et al. (1984), "Chimeric human antibody molecules: Mouse antigen-binding domains with human constant region domains," <i>Proc. Natl. Acad. Sci. USA</i> , 81:6851-6855.
	C61	Moult (1996), "The current state of the art in protein structure prediction," <i>Curr. Op. in Biotech.</i> , 7:422-427.
	C62	Muller (1983), "Determination of Affinity and Specificity of Anti-Hapten Antibodies by Competitive Radioimmunoassay," <i>Meth. Enzymol.</i> , 92:589-601.
	C63	Nagata, S. & Suda, T. (1995), "Fas and Fas ligand: lpr and gld mutations," <i>Immunology Today</i> , 16(1):39-43.
	C64	Neuberger et al. (1985), "A hapten-specific chimaeric IgE antibody with human physiological effector function," <i>Nature</i> , 314(21):268-270.
	C65	Noelle (1996), "CD40 and its Ligand in Host Defense," <i>Immunity</i> 4:415-419.
	C66	Ornitz et al. (1986), "Elastase I Promoter Directs Expression of Human Growth Hormone and SV40 T Antigen Genes to Pancreatic Acinar Cells in Transgenic Mice," <i>Cold Spring Harbor Symp. Quant. Biol.</i> , 50:399-409.
	C67	Pinkert et al. (1987), "An albumin enhancer located 10 kb upstream functions along with its promoter to direct efficient, liver-specific expression in transgenic mice," <i>Genes and Devel.</i> , 1:268-276.
	C68	Readhead et al. (1987), "Expression of a Myelin Basic Protein Gene in Transgenic Shiverer Mice: Correction of the Dysmyelinating Phenotype," <i>Cell</i> , 48:703-712.
✓	C69	Riechmann et al. (1988), "Reshaping human antibodies for therapy," <i>Nature</i> , 332:323-327.
EXAMINER: <i>Arum G. Canella</i>		Date Considered: <i>1/10/03</i>
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SEP 18 2001

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

TECH CENTER 1600/290

KAC	C70	Sasaki et al., (1998), "Structure-Mutation Analysis of the ATPase Site of Dictyostelium Discoideum Myosin II," <i>Adv. Biophys.</i> , 35:1-24.
	C71	Shu et al. (1999), "TALL-1 is a novel member of the TNF family that is down-regulated by mitogens," <i>J. Leukocyte Biology</i> 65:680-683.
	C72	Sippl et al.(1996), "Threading thrills and threats," <i>Structure</i> , 4:15-19.
	C73	Smith et al. (1994), "The TNF Receptor Superfamily of Cellular and Viral Proteins: Activation, Costimulation, and Death," <i>Cell</i> 76:959-962.
	C74	Swift et al. (1984), "Tissue-Specific Expression of the Rat Pancreatic Elastase I Gene in Transgenic Mice," <i>Cell</i> , 38:639-646.
	C75	Tracey & Cerami (1994), "Tumor Necrosis Factor: A Pleiotropic Cytokine and Therapeutic Target," <i>Annu. Rev. Med.</i> 45:491-503.
	C76	Urlaub et al. (1980), "Isolation of Chinese hamster cell mutants deficient in dihydrofolate reductase activity," <i>Proc. Natl. Acad. Sci. USA</i> , 77(7):4216-4220.
	C77	Verhoeyen et al. (1988), "Reshaping Human Antibodies: Grafting an Antilysozyme Activity," <i>Science</i> , 239:1534-1536.
	C78	Villa-Kamaroff et al. (1978), "A bacterial clone synthesizing proinsulin," <i>Proc. Natl. Acad. Sci. USA</i> , 75(8):3727-3731.
	C79	von Bulow & Bram (1997), "NF-AT Activation Induced by a CAML-Interacting Member of the Tumor Necrosis Factor Receptor Superfamily," <i>Science</i> , 278:138-141.
	C80	Wagner et al. (1981), "Nucleotide sequence of the thymidine kinase gene of herpes simplex virus type 1," <i>Proc. Natl. Acad. Sci. USA</i> , 78(3):1444-1445.
	C81	Wallach et al. (1999), "Tumor Necrosis Factor Receptor and Fas Signaling Mechanisms," <i>Annual Review of Immunology</i> 17:331-367.
✓	C82	Yamamoto et al. (1980), "Identification of a Functional Promoter in the Long Terminal Repeat of Rous Sarcoma Virus," <i>Cell</i> , 22:787-797.
EXAMINER: <i>Karen A. Gancella</i>		Date Considered: <i>11/10/03</i>
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KAC	B20	WO 00/40716 ✓	07/13/00	PCT				
	B21	WO 01/12812	02/22/01	PCT				
✓	B22	WO 01/24811	04/12/01	PCT				
	B23	WO 01/60397 ✓	08/23/01	PCT				

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

KAC	C83	Cubillos et al. (1997), "Effect of blocking TNF on IL-6 levels and metastasis in a B16-BL6 melanoma/mouse model," <i>Anticancer Research</i> 17(3C): 2207-2211.
	C84	Li et al. (2001), "A peptide antagonist mimicking the 3 <sup>rd</sup> TNF-like cysteine-rich domain of mouse OPG inhibits RANKL/M-CSF induced osteoclastogenesis," <i>J. Bone and Mineral Research</i> 16(1): S209.
	C86	Thompson et al. (2000), "BAFF binds to the tumor necrosis factor receptor-like molecule B cell maturation antigen and is important for maintaining the peripheral B cell population," <i>J. Exp. Med.</i> 192(1): 129-135.
	C87	Xia et al. (2000) "TACI is a TRAF-interacting receptor for TALL-1, a tumor necrosis factor family member involved in B cell regulation," <i>J. Exp. Med.</i> 192(1): 137-143.
✓	C88	Yu et al. (2000), "APRIL and TALL-1 and Receptors BCMA and TACI: System for Regulating Humoral Immunity," <i>Nature Immunology</i> 1(3): 1529-2908.
EXAMINER: Karen A. Gamble		Date Considered: 11/10/03
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